

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

32605

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
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as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒

The address associated with Customer Number:

32605

OR

| | | | |
|--|-------|-----|--|
| <input type="checkbox"/> Firm or Individual Name | | | |
| Address | | | |
| City | State | Zip | |
| Country | | | |
| Telephone | Email | | |

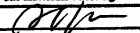
Assignee Name and Address:

Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu, Suwon-si,
Gyeonggi-do 442-742 Korea

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/BB/86 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

| | | | |
|-----------|---|-----------|------------------|
| Signature |  | Date | January 11, 2006 |
| Name | SEUNG-HO AHN | Telephone | 82-31-229-9491 |
| Title | VP of IP & External Affairs | | |

This collection of information is required by 37 CFR 1.51, 1.52 and 1.53. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the OMB Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1480, Alexandria, VA 22313-1480. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: LEE, Seung-Woo; YU, Yun-Ju; PARK, Doo-Sik; CHOH, Heul Keun; KIM, Chang-Yeong; and
PARK, Yong-Koo

Application No./Patent No.: 10/534,623 Filed/Issue Date: November 12, 2003

Entitled: Liquid Crystal Display and Driving Method Thereof

Samsung Electronics Co., LTD., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest
The extent (by percentage) of its ownership interest is ____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 020631, Frame 0466, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment
Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO.
See MPEP 302.06]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

Kioun "Jenny" Sung

Printed or Typed Name

Reg. No. 48,639

Title

March 11, 2008

Date

408-392-9250

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

500484098A

MARCH 11, 2008

PTAS

MACPHERSON KWOK CHEN & HEID LLP
2033 GATEWAY PLACE
SUITE 400
SAN JOSE, CA 95110UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/11/2008

REEL/FRAME: 020631/0466

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: AB-1576 US

ASSIGNOR:

LEE, SEUNG-WOO

DOC DATE: 03/10/2008

ASSIGNOR:

YU, YUN-JU

DOC DATE: 03/10/2008

ASSIGNOR:

PARK, DOO-SIK

DOC DATE: 03/10/2008

ASSIGNOR:

CHOH, HEUI-KEUN

DOC DATE: 03/10/2008

ASSIGNOR:

KIM, CHANG-YEONG

DOC DATE: 03/10/2008

ASSIGNOR:

PARK, YONG-KOO

DOC DATE: 03/10/2008

O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

020631/0466 PAGE 2

ASSIGNEE:

SAMSUNG ELECTRONICS CO., LTD
416, MAETAN-DONG, YEONGTONG-GU,
SUWON-SI
GYEONGGI-DO, DEM REP OF KOREA

SERIAL NUMBER: 10534623

FILING DATE: 12/27/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: LIQUID CRYSTAL DISPLAY AND DRIVING METHOD THEREOF

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

03/11/2008
500484098

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Seung-Woo LEE | 03/10/2008 |
| Yun-Ju YU | 03/10/2008 |
| Doo-Sik PARK | 03/10/2008 |
| Heul-Keun CHOH | 03/10/2008 |
| Chang-Yeong KIM | 03/10/2008 |
| Yong-Koo PARK | 03/10/2008 |

RECEIVING PARTY DATA

| | |
|-----------------|--|
| Name: | Samsung Electronics Co., LTD |
| Street Address: | 416, Maetan-dong, Yeongtong-gu, Suwon-si |
| City: | Gyeonggi-do |
| State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 10534623 |

CORRESPONDENCE DATA

Fax Number: (408)392-9262
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 408-392-9250
Email: sbadon@macpherson-kwok.com
Correspondent Name: MacPherson Kwok Chen & Heid LLP
Address Line 1: 2033 Gateway Place
Address Line 2: Suite 400
Address Line 4: San Jose, CALIFORNIA 95110

ATTORNEY DOCKET NUMBER:

AB-1576 US

NAME OF SUBMITTER:

David W. Heid

CH \$40.00 10534623

O:MACPHERSON KWOK CHEN & HEID LLP COMPANY:2033 GATEWAY PLACE

Total Attachments: 3

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

| | | |
|------------------|----|--|
| LEE, Seung-Woo | of | Doksan Hyundai Apt. 102-1008, 293-10, Doksan1-dong, Keumcheon-ku, Seoul 153-844, Korea |
| YU, Yun-Ju | of | Cheonnok Villa 1-139, 973-2, Siheung 3-dong, Keumcheon-ku, Seoul 153-033, Korea |
| PARK, Doo-Sik | of | Hwanggolmaeul Jookong Apt. 135-1401, 955-1, Yeongtong-dong, Paldal-ku, Suwon-city, Kyungki-do 442-740, Korea |
| CHOH, Heui-Keun | of | Banpo Jookong Apt. 359-407, Banpo 1-dong, Seocho-ku, Seoul 137-763, Korea |
| KIM, Chang-Yeong | of | Jinsanmaeul Samsung 5-cha Apt. 502-1305, 1161, Bojeong-ri, Guseong-myeon, Yongin-city, Kyungki-do 449-910, Korea |
| PARK, Yong-Koo | of | Sinnamusil Jookong 5-danji Apt. 517-402, Yeongtong-dong, Paldal-ku, Suwon-city, Kyungki-do 442-727, Korea |

hereby sell, assign and transfer to SAMSUNG ELECTRONICS CO., LTD., a corporation, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, its successors and assigns, the entire right, title and interest throughout the world in our invention in

LIQUID CRYSTAL DISPLAY AND DRIVING METHOD THEREOF

for which we filed a United States Patent Application on May 11, 2005, which now has Serial No. 10/534,623, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 10th day of March, 2008.

Seung-Woo Lee
LEE, Seung-Woo

WITNESSED:

Signature

Date: March 10, 2008

KIM Yu-Mi

Executed this 10th day of March, 2008.


YU, Yun-Ju


WITNESSED:

Signature

Date: March 10, 2008

KIM Youn-Kyoung

Executed this 10th day of March, 2008.


PARK, Doo-Sik

WITNESSED:

Signature

Date: March 10, 2008

PARK Mi-Young

Executed this 10th day of March, 2008.


CHOH, Heui-Keun


WITNESSED:

Signature

Date: March 10, 2008

KIM Yu-Mi

Executed this 10th day of March, 2008.


KIM, Chang-Yeong

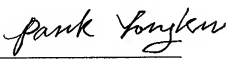
WITNESSED:

Signature

Date: March 10, 2008

PARK Mi-Young

Executed this 10th day of March, 2008.


PARK, Yong-Koo

WITNESSED:

Signature

Date: March 10, 2008

KIM Yu-Mi